INDEX TO VOL. XXII.

Stated Meetings Held.

	Page.
January 2	98
" 16	101
February 6	273
" 20	276
March 6	278
" 20	354
April 17	356
May 1	429
June 15	432
July 17	436

New Members Elected.

Gross, S. W.*	103	Parvin, Theoph.*	103
Gutekunst, Fred.*	103	Patterson, C. S.*	103
Hall, Lyman B.*†	102	Randall, Samuel J.*	102
Harrison, George L.*	103	Richè, Geo. I.*	103
Hockley, T.*†	103	Roberts, Geo. B.*	103
Jackson, F. A.	103	Wagner, S.*†	103
Mallett, J. W.*†	103	Weil, E. H.*†	103
Moore, James W.*	102	Weisbach, Albin.*	102
Osler, Wm *	103	Wilson, J. C.*†	103

[* Accepted. † Took his seat.]

Deaths of Members.

Archer, Thos	434	Paine, R. T.	434, *438
Elder, Wm	359	Peale, Titian R	355, *359
Frerichs, F. T	355	Powel, Samuel	280
Gorringe, H. H.	438	Siebold, C. T	359
Hartshorne, E. B	438	Wallace, Ellerslie	355, *359, *430, *432, *434
Hough, F. B.	437	Whitney, Geo	355, 359, 430
Kolbe, Herman	275	Worrel, Jas	359

[* Member appointed to prepare obituary notice.]

Communications.

AGNEW, D. HAYES.

Biographical sketch of the late Elias R. Beadle 227

ALGER, ABBY L.

A collection of words and phrases taken from the Passamaquoddy Tongue 240

BLASIUS, WM.

On the brilliant Sun-glows of the autumns of 1883 and 1884 102

PROC. AMER. PHILOS. SOC. XXII. 120. 3F. PRINTED SEPTEMBER 2, 1885.

BRINTON, DANIEL G. *Page.*
The lineal measures of the Semi-civilized Nations of Mexico and Central America. 99, 194
On the language and ethnologic position of the Xinca Indians of Guatemala 89
The Philosophic Grammar of American Languages as set forth by Wilhelm von Humboldt (*vide* also *Humboldt*) 306

CARSON, HAMPTON L.
Biographical notice of Gen. A. A. Humphreys, U. S. A 48

CARTER, OSCAR C. S.
On the detection of the adulterations in oils 296

CHASE, PLINY E.
On the results of an important weather forecast 102
The Chase-Maxwell Ratio 375
Thermo-electro-photo-baric unit. 377

COPE, E. D.
The extinct mammalia of the Valley of Mexico 1
On the Fossils of the Miocene period of the Dominion of Canada 98
Twelfth contribution to the Herpetology of Tropical America 167
A contribution to the Herpetology of Mexico 379

CURWEN, JOHN.
Biographical sketch of Dr. Thos. S. Kirkbride 102, 217

DA COSTA, J. M.
Biographical sketch of Prof. Samuel D. Gross, M.D 78

FRAZER, PERSIFOR.
A convenient device to be applied to the Hand-Compass 216

GENTH, F. A., and VOM RATH, G.
Contributions from the Laboratory of Pennsylvania. No. XXIII. On the Vanadates and Iodyrite, from Lake Valley, Sierra Co., N. M 393

GATSCHET, ALBERT S.
The Aruba Language and the Papiamento Jargon 299
The Beothuk Indians, 1st article 408

HUMBOLDT, WILHELM VON.
The Verb in American Languages. Translated by Daniel G. Brinton. . 332

KIRKWOOD, D. S.
The limits of stability of nebulous planets and the consequences resulting from their mutual relations 104
The Comet of 1866 and the Meteors of November 14th 424

KÖNIG, GEORGE A.
Note on Cosalite, Alaskaite and Beegerite 102

LAW, PHILIP H.
Obituary notice of Wm. S. Vaux 404

LEWIS, H. CARVILL.
A great trap-dyke across Southeast Pennsylvania 438

PACKARD, A. S.
On the embryology of Limulus polyphemus, III 102, 268

PHILLIPS, HENRY, Jr.
Further notes on the letter Z. 273

RINK, H. *Page.*
Recent Danish explorations in Greenland and their significance as to Arctic Science 280

STEVENSON, J. J.
Some notes respecting Metamorphism 161
Notes on the geological structure of Tazewell, Russell, Wise, Smyth and Washington Counties of Virginia. 114

STOLL, OTTO.
Supplementary remarks to the Grammar of the Cakchiquel Language of Guatemala 255

TAYLOR, W. CURTIS.
On Composite Photography. 360

VAUX, RICHARD.
Biographical notice of Hon. Henry M. Phillips 72

Miscellaneous.

Alterations in copy to be first submitted to the Secretaries for approval . . . 435
Annual election, report of 99
Box presented by the Earl of Buchan found in attic 277
Brooklyn Entomological Society placed on exchange list 358
Building Fund, annual report of the Trustees of 104
California Academy of Sciences placed on exchange list. 431
Catalogue of Library ordered sent to the Chief Signal Officer, U. S. A 98
Changes of address. 358, 431
Cincinnati Society of Natural History placed on exchange list 358
Committee appointed on Walsh's paper on muscles of the hand. 435
" reports unfavorably 437
" on Publication to consider the present method of publishing the Society's Proceedings and Transactions 435
Congress memorialized by the Society for free admission of scientific books and apparatus 100
Deposit for the Library by Henry Phillips, Jr 102, 437
Diplomas, letters acknowledging receipt of. 358
Election of Officers and Councillors for 1885 reported. 99
Finance, Committee on, report on the publication of the Zeisberger MSS . . 359
Good Friday a legal holiday 356
Lesley, Prof., declines renomination as Librarian 100
" " thanked by the Society 190
Librarian, Henry Phillips, Jr., nominated for, 100; Elected 102
Library Catalogue ordered sent to the Chief Signal Officer, U.S. A 98
Membership accepted 273, 277, 279
Membership declined 431
Meehan, Thos., elected chairman of the Committee on the Michaux Legacy . 276
Mercantile Library, Philadelphia, to receive missing volumes. 274
Michaux Legacy, Committee on, reconstructed 273, 355, 380
Michaux Legacy, interest received 276, 359
Michaux lectures for 1885, programme of. 360
Nominations read:
1431 to 1048 99
1049 . . . . . 103, 276, 278, 280, 356, 430, 432, 435, 438
1050 to 1054. . . . . 280, 356, 430, 432, 435, 438
1055 to 1057 . . . . . 430, 432, 435, 438
1057 to 1068. . . . . 435, 438
Paine, R. T., letter from, in relation to Solar Eclipse of March 16, 1885 277

Page.

Papers not to be published by the Society if printed elsewhere before Society's publication shall have been distributed 278
Plate ordered for Dr. Stokes' paper 438
Priestley's portrait copied for Mr. C. Button 355
Proceedings of Officers and Council submitted 432
Proceedings to be charged to non-paying members, $1 per annum. 276
Report of judges of annual election for 1885 99
Rothrock, Dr. J. T., appointed to prepare obituary notice of late Hon. Eli K. Price. 275
Society subscribes to Hickcox's Monthly Catalogue of U. S. publications . . 435
Spencer, Herbert, excused from membership 431
Syle, E. W., presents Chinese and Japanese books 102
University of Michigan placed on exchange list 275
U. S. Patent Office Scientific Library placed on exchange list 279
Virginia Historical Society placed on exchange list 431, 433
Walsh's paper referred to committee, 435; Reported on unfavorably 437
Young Men's Library, Buffalo, placed on exchange list 279
Zeisberger's Lenapi Dictionary to be published 100